```
==============================================================
Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Durreshwar Anjum
Timestamp: Wed Oct 17 11:21:43 EDT 2007
==============================================================
```

Application No: 10578183   Version No: 1.0

Input Set:

Output Set:

Started: 2007-10-01 17:37:57.438
Finished: 2007-10-01 17:37:59.043
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 605 ms
Total Warnings: 55
Total Errors: 0
No. of SeqIDs Defined: 56
Actual SeqID Count: 56

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

```
          Input Set:


         Output Set:



            Started:   2007-10-01 17:37:57.438
           Finished:   2007-10-01 17:37:59.043
            Elapsed:   0 hr(s) 0 min(s) 1 sec(s) 605 ms
     Total Warnings:   55
       Total Errors:   0
No. of SeqIDs Defined:  56
  Actual SeqID Count:   56
```

Error code   Error Description

            This error has occured more than 20 times, will not be displayed

<400>   1

Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro
1   5   10   15

Ser Leu Gly Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala
                20   25   30

Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr
            35   40   45

Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro Pro
        50   55   60

Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly
65   70   75   80

Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe
                85   90   95

Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe
                100   105   110

Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
        115   120   125

Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile
    130   135   140

Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
145   150   155   160

Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
                165   170   175

Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
                180   185   190

Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
        195   200   205

Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp
    210   215   220

Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
225   230   235   240

Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser
                245   250   255

Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu
            260   265   270

Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
    275   280   285

His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro
    290   295   300

Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
305   310   315   320

Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
            325   330   335

Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro

```
          340                    345                    350


Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
         355                    360                    365


Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
         370                    375                    380


Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
385                    390                    395                    400


His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
                   405                    410                    415


Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
                   420                    425                    430


Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala
         435                    440                    445


Leu
```

```
<210>   2
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   2

Leu Val Arg His His Asn Met His Gln
1                   5



<210>   3
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   3

Leu Tyr Gln Met Thr Ser Gln Leu Glu
1                   5
```

<210> 4
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 4

Phe Lys His Glu Asp Pro Met Gly Gln
1   5

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 5

Leu Val Arg Ser Ala Ser Glu Thr Ser
1   5

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 6

Met Gly Gln Gln Gly Ser Leu Gly Glu
1   5

<210> 7
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 7

Val Tyr Gly Cys His Thr Pro Thr Asp
1   5

<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 8

Leu Arg Thr Pro Tyr Ser Ser Asp Asn
1   5

<210> 9
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 9

Phe Ile Lys Gln Glu Pro Ser Trp Gly
1   5

<210> 10
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 10

Trp Gly Gly Ala Glu Pro His Glu Glu
1   5

<210> 11
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 11

Phe Lys Leu Ser His Leu Gln Met His
1   5

```
<210>   12
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   12

Tyr Phe Lys Leu Ser His Leu Gln Met
1               5


<210>   13
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   13

Leu Glu Cys Met Thr Trp Asn Gln Met
1               5


<210>   14
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   14

Phe Arg Gly Ile Gln Asp Val Arg Arg
1               5


<210>   15
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   15

Leu Leu Pro Ala Val Pro Ser Leu Gly
1               5


<210>   16
```

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 16

Leu Ser Ala Phe Thr Val His Phe Ser
1   5

<210> 17
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 17

Met Asn Leu Gly Ala Thr Leu Lys Gly
1   5

<210> 18
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 18

Val Arg Ser Ala Ser Glu Thr Ser Glu
1   5

<210> 19
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 19

Leu Pro Ala Val Pro Ser Leu Gly Gly
1   5

<210> 20
<211> 9

<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   20

Tyr Gly Cys His Thr Pro Thr Asp Ser
1   5

<210>   21
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   21

Phe Ser Gly Gln Phe Thr Gly Thr Ala
1   5

<210>   22
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   22

Phe Met Cys Ala Tyr Pro Gly Cys Asn
1   5

<210>   23
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   23

Tyr Gln Met Thr Ser Gln Leu Glu Cys
1   5

<210>   24
<211>   16
<212>   PRT

<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 24

Lys Arg Tyr Phe Lys Leu Ser His Leu Gln Met His Ser Arg Lys His
1   5   10   15

<210> 25
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 25

Pro Asn His Ser Phe Lys His Glu Asp Pro Met Gly Gln Gln Gly
1   5   10   15

<210> 26
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 26

Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
1   5   10   15

Met Asn Leu

<210> 27
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 27

Cys Met Thr Trp Asn Gln Met Asn Leu
1   5

```
<210>   28
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   28

Cys Tyr Thr Trp Asn Gln Met Asn Leu
1               5


<210>   29
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   29

Arg Met Phe Pro Asn Ala Pro Tyr Leu
1               5


<210>   30
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   30

Arg Tyr Pro Ser Cys Gln Lys Lys Phe
1               5


<210>   31
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   31

Ala Tyr Thr Trp Asn Gln Met Asn Leu
1               5


<210>   32
```

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 32

Ala Tyr Thr Trp Asn Gln Met Asn Leu
1   5

<210> 33
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa = Abu

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Abu

<400> 33

Xaa Tyr Thr Trp Asn Gln Met Asn Leu
1   5

<210> 34
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 34

Arg Tyr Thr Trp Asn Gln Met Asn Leu
1   5

<210> 35
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 35

Lys Tyr Thr Trp Asn Gln Met Asn Leu
1   5

<210> 36
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 36

Arg Tyr Phe Pro Asn Ala Pro Tyr Leu
1   5

<210> 37
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 37

Arg Tyr Pro Gly Val Val Pro Thr Leu
1   5

<210> 38
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 38

Ala Tyr Leu Pro Ala Val Pro Ser Leu
1   5

<210> 39
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<400>   39

Asn Tyr Met Asn Leu Gly Ala Thr Leu
1   5

<210>   40
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   40

Arg Val Pro Gly Val Ala Pro Thr Leu
1   5

<210>   41
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   41

Arg Tyr Pro Ser Ser Gln Lys Lys Phe
1   5

<210>   42
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   42

Arg Tyr Pro Ser Ala Gln Lys Lys Phe
1   5

<210>   43
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa = Abu

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Abu

<400> 43

Arg Tyr Pro Ser Xaa Gln Lys Lys Phe
1   5

<210> 44
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 44

Ser Leu Gly Glu Gln Gln Tyr Ser Val
1   5

<210> 45
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 45

Asp Leu Asn Ala Leu Leu Pro Ala Val
1   5

<210> 46
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 46

Tyr Arg Ile His Thr His Gly Val Phe

<210>   47
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   47

Leu Val Arg His His Asn Met His Gln
1   5

<210>   48
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   48

Tyr Gln Met Thr Ser Gln Leu Gly Cys
1   5

<210>   49
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   49

Leu Gln Met His Ser Arg Lys His Thr
1   5

<210>   50
<211>   9
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic Peptide

<400>   50

Tyr Phe Lys Leu Ser His Leu Gln Met
1   5

<210> 51
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 51

Val Lys Pro Phe Gln Cys Lys Thr Cys
1   5

<210> 52
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 52

Leu Lys Arg His Gln Arg Arg His Thr
1   5

<210> 53
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 53

Leu Lys Thr His Thr Arg Thr His Thr
1   5

<210> 54
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 54

Tyr Gly Pro Phe Gly Pro Pro Pro Pro
1   5

<210> 55
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 55

Val Arg His His Asn Met His Gln Arg
1   5

<210> 56
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 56

Phe Pro Asn Ala Pro Tyr Leu Pro Ser
1   5